

Title (en)  
FOUNDATION WORK ERECTED ON A SOIL WITH INFERIOR STABILITY

Title (de)  
GRÜNDUNGSBAUWERK AUF GERING TRAGFÄHIGEM BAUGRUND

Title (fr)  
STRUCTURE DE FONDATION SITUEE SUR UN SOL FAIBLEMENT RESISTANT

Publication  
**EP 1123447 A1 20010816 (DE)**

Application  
**EP 99953763 A 19991009**

Priority  
• DE 19848846 A 19981022  
• EP 9907584 W 19991009

Abstract (en)  
[origin: DE19848846A1] The foundation structure, for ground (1) which has a poor load-bearing quality, has pillars (3) at regular intervals extending down into the ground level (2) which can support loads. The heads of the pillars (3) extend over the level of the soft ground (1), to be covered by a reinforcement (5) of geo-plastics to support the layer of loose ballast (6). The pillar heads are formed by curved caps (4), which project over the cross section of the pillars (3) on all sides, with a constant reduction in thickness from the center to the edge.

IPC 1-7  
**E02D 27/36**; **E02D 27/14**; **E01B 2/00**

IPC 8 full level  
**E01B 2/00** (2006.01); **E02D 27/14** (2006.01); **E02D 27/36** (2006.01); **E01B 1/00** (2006.01)

CPC (source: EP)  
**E01B 2/006** (2013.01); **E02D 27/14** (2013.01); **E02D 27/36** (2013.01); **E01B 1/001** (2013.01); **E01B 2204/08** (2013.01)

Citation (search report)  
See references of WO 0024973A1

Cited by  
GB2493731A; EP3049571B1

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**DE 19848846 A1 20000427**; AU 1034400 A 20000515; DE 59901767 D1 20020718; EP 1123447 A1 20010816; EP 1123447 B1 20020612; ES 2178486 T3 20021216; WO 0024973 A1 20000504

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